CLAIMS

1. Communication server (2) for making services offered by a private second communication network (RP) available to terminals (4) connected to a first communication network (PLMN) and able to exchange signaling data on a first transmission channel and voice data on a second transmission channel simultaneously in accordance with a selected protocol, which server is characterized in that it comprises control means (6) adapted to send to a terminal (4) connected to the first network (PLMN), on said first channel and as a function of a selected criterion, configuration data to enable said terminal (4) to set up a connection with said server (2) on the first channel during a voice connection on said second channel, so as to make at least some of said services offered by said second network (RP) available to said terminal during said voice connection.

2. Server according to claim 1, characterized in that said control means (6) are adapted to send configuration data to a terminal (4) when said terminal has set up a connection with said server (2) using a selected primary identifier, setting up said connection constituting said selected criterion.

3. Server according to claim 1, characterized in that said control means (6) are adapted to effect an identification procedure before sending said configuration data.

4. Server according to claim 3, characterized in that it comprises a memory (5) in which secondary identifiers are stored and in that said control means (6) are adapted to send to said terminal (4) identification data which, once installed in said terminal, enables the automatic sending to said server (2) of at least one secondary identifier stored in a memory of said terminal, and then to compare the received secondary identifier with identifiers stored in said memory (5) and to send said configuration data to said terminal (4) if the identifiers are identical.

5. Server according to claim 3, characterized in that said control means (6) are adapted to send security data to the terminal (4) after said configuration data.

6. Server according to claim 3, characterized in that said secondary identifier represents the user of said terminal (4).

7. Server according to claim 3, characterized in that said configuration data and/or said identification data constitute(s) a script or an applet.

8. Server according to claim 1, characterized in that said configuration data is adapted, in the event of activation by the user of the terminal (4), to prompt said user to provide at least one tertiary identifier and to send a registration request containing at least said tertiary identifier to said control means (6) on the first channel, in that said memory (5) stores said primary identifiers in corresponding relationship to at least one tertiary identifier, and in that said control means (6) are adapted, on the receipt of a registration request, to send to said configuration data a request for the transmission of at least one primary identifier associated with said terminal (4), and then, on reception of said primary identifier, to compare the primary identifier and the tertiary identifier previously received to the identifiers stored in said memory (5) in order to authorize or refuse said registration as a function of the result of this comparison.

9. Server according to claim 1, characterized in that said configuration data is adapted, in the event of reception of a call request message from the first network (PLMN) by said terminal (4), to extract certain information from said message and to send that information to said control means (6) via said first channel, and in that said control means (6) are adapted, on receipt of said information, to process it as a function of its content and then to send to said terminal (4) on said first channel a message selected as a function of the processing applied and the information received.

10. Server according to claim 1, characterized in that said configuration data is adapted, after the terminal (4) has been registered and in the event of an attempt by said terminal to call a remote terminal, to inhibit access to the first network (PLMN) and to send information including at least the primary identifier of the remote terminal to said control means (6) on said first channel, and in that said control means (6) are adapted, on receipt of said information, to process it as a function of its content, and then to send to said terminal (4) on said first channel a message selected as a function of the processing applied and the information received and comprising at least one call authorization or prohibition and information to be displayed on the screen of said terminal (4), so

that on reception of said message said configuration data either removes the inhibition on access to the first network (PLMN) with a view to setting up the call or prohibits the call.

11. Server according to claim 9 in conjunction with claim 8, characterized in that said control means (6) are adapted to process the information received from said terminal (4) after registering the terminal.

12. Method of making services offered by a private second communication network (RP) available to terminals (4) connected to a first communication network (PLMN) and able to exchange signaling data on a first transmission channel and voice data on a second transmission channel simultaneously via a communication server (2) and in accordance with a selected protocol, which method is characterized in that it consists in the server (2) sending to a terminal (4) connected to the first network (PLMN), on a first channel and as a function of a selected criterion, configuration data enabling it to set up a connection with said server (2) on the first channel during a voice connection on a second channel in order to make at least some of said services offered by said second network (RP) available to said terminal (4) during said voice connection.

13. Method according to claim 12, characterized in that said configuration data is sent to a terminal (4) when the terminal has set up a connection with the server (2) using a selected primary identifier, setting up this link constituting said selected criterion.

14. Method according to claim 12, characterized in that an identification procedure is effected before sending the configuration data.

15. Method according to claim 14, characterized in that secondary identifiers are stored in a memory (5) of the server (2) and in that identification data is sent to the terminal (4) that is adapted, when installed in said terminal, to enable automatic transmission to said server (2) of at least one secondary identifier stored in a memory (8) of said terminal (4), after which, on reception of the secondary identifier, it is compared to the identifiers stored in the memory (5) of the server (2) and said configuration data is sent to said terminal (4) if the identifiers are identical.

16. Method according to claim 14, characterized in that security data is

sent to the terminal (4) after sending said configuration data.

17. Method according to claim 14, characterized in that said secondary identifier represents the user of said terminal (4).

18. Method according to claim 14, characterized in that said configuration data and/or said identification data constitutes a script or an applet.

19. Method according to claim 12, characterized in that said configuration data is adapted, in the event of activation by the user of the terminal (4), to prompt said user to provide at least one tertiary identifier and to send a registration request comprising at least said tertiary identifier to said server (2) on the first channel, in that said primary identifiers are stored in said memory (5) of the server (2) in corresponding relationship with at least one tertiary identifier, and in that, on reception of a registration request, a request for transmission of at least the primary identifier associated with said terminal (4) is sent to said configuration data, after which, on reception of said primary identifier, the primary identifier and the tertiary identifier previously received are compared in the server (2) to the identifiers stored in its memory (5) to authorize or refuse said registration as a function of the result of this comparison.

20. Method according to claim 12, characterized in that said configuration data is adapted, in the event of reception of a call request message from the first network (PLMN) by said terminal (4), to extract certain information from this message and to send it to the server (2) via the first channel, and in that, on reception of said information, the received information is processed as a function of its content, after which a message selected as a function of the processing applied and the information received is sent to the terminal (4) on said first channel.

21. Method according to claim 12, characterized in that, in the event of an attempt to call a remote terminal by said terminal (4), said configuration data is adapted to inhibit access to the first network (PLMN) and to send information including at least the secondary identifier of the remote terminal to the server on said first channel, and in that, on receipt of said information, it is processed as a function of its contents, after which a message chosen as a function of said processing applied and said information received and comprising at least one call authorization or prohibition and information to be displayed on the screen of said

terminal (4) is sent to said terminal (4) on said first channel so that on reception of said message said configuration data either removes the inhibition on access to the first network (PLMN) with a view to setting up the call or prohibits said call.

22. Method according to claim 20 in conjunction with claim 19, characterized in that the information received from said terminal (4) is processed after performing a registration operation at the terminal.

23. Communication installation characterized in that it comprises at least one first public communication network (PLMN) connected to at least one second private communication network (RP) via a communication server (2) according to any one of claims 1 to 11.

24. Use of the method, device and installation according to any one of the preceding claims in a public first communication network selected from the group comprising PSTN, PLMN and Internet (IP) networks, and second private network selected from the group comprising PABX and private communication gateways.

25. Use according to claim 24, characterized in that the public first communication networks are mobile networks selected from the group comprising GSM, GPRS and UMTS networks.

26. Use according to claim 24, characterized in that the connections between the first network (PLMN) and the server (2) use the WAP.

27. Use according to claim 24, characterized in that the connections between the first network (PLMN) and the server (2) use the SIP.